

Table Changes-1: Revisions to U.S. Greenhouse Gas Emissions (Tg CO<sub>2</sub> Eq.)

<b>Gas/Source</b>	<b>1990</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>
<b>CO<sub>2</sub></b>	<b>85.6</b>	<b>81.9</b>	<b>85.0</b>	<b>84.3</b>	<b>92.1</b>	<b>86.1</b>	<b>80.5</b>	<b>89.3</b>	<b>85.4</b>	<b>107.3</b>
Fossil Fuel Combustion	(55.8)	(49.4)	(45.0)	(35.8)	(31.2)	(36.2)	(36.3)	(35.4)	(30.6)	(4.5)
Natural Gas Flaring	0.4	(0.7)	(1.2)	(3.5)	(3.6)	(4.9)	(4.8)	(4.5)	(4.6)	(5.0)
Cement Manufacture	NC	NC	NC	NC	NC	NC	NC	NC	NC	0.1
Lime Manufacture	+	+	+	+	+	+	+	NC	NC	+
Limestone and Dolomite Use	0.1	0.1	+	+	+	+	0.1	0.1	0.1	0.8
Soda Ash Manufacture and Consumption	+	+	+	+	+	+	+	(0.1)	NC	NC
Carbon Dioxide Consumption	NC	NC	NC	NC	NC	NC	NC	NC	NC	+
Waste Combustion	(3.5)	(3.4)	(3.6)	(3.8)	(4.1)	(4.5)	(4.4)	(4.3)	(4.9)	(4.1)
Titanium Dioxide Production <sup>a</sup>	1.3	1.3	1.5	1.6	1.7	1.7	1.7	1.8	1.8	1.9
Aluminum Production <sup>a</sup>	6.3	6.4	6.3	5.8	5.1	5.3	5.6	5.6	5.8	5.9
Iron and Steel Production <sup>a</sup>	85.4	76.2	75.0	69.9	73.6	74.4	68.3	76.1	67.4	64.4
Ferroalloys <sup>a</sup>	2.0	2.0	2.0	2.0	1.8	1.9	2.0	2.0	2.0	2.0
Indirect CO <sub>2</sub> Emissions from CH <sub>4</sub> Oxidation <sup>a</sup>	30.9	30.7	30.5	29.5	29.3	29.5	28.9	28.4	28.2	27.0
Ammonia Manufacture <sup>a</sup>	18.5	18.7	19.5	18.7	19.5	18.9	19.5	19.5	20.1	18.9
International Bunker Fuels	(0.1)	(0.1)	(0.1)	(0.1)	+	+	0.1	0.1	0.1	(2.0)
<b>CH<sub>4</sub></b>	<b>6.8</b>	<b>8.3</b>	<b>8.2</b>	<b>10.7</b>	<b>6.9</b>	<b>7.1</b>	<b>5.8</b>	<b>1.3</b>	<b>2.9</b>	<b>0.9</b>
Stationary Sources	(0.6)	(0.6)	(0.6)	(0.6)	(0.6)	(0.6)	(0.6)	(0.6)	(0.6)	(0.8)
Mobile Sources	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.2)	(0.1)	(0.1)
Coal Mining	(0.7)	0.2	0.8	(0.8)	(0.9)	(1.0)	(1.0)	(0.6)	1.4	1.9
Natural Gas Systems	+	+	NC	2.0	2.6	1.5	0.8	0.1	0.1	(3.2)
Petroleum Systems	(0.8)	(0.7)	(0.7)	(0.3)	(0.1)	(0.3)	+	+	0.1	0.4
Petrochemical Production	NC	NC	NC	NC	NC	+	+	+	+	+
Silicon Carbide Production	NC	NC	NC	NC	NC	NC	NC	NC	NC	+
Enteric Fermentation	(1.6)	(1.8)	(1.9)	(0.9)	(5.3)	(3.1)	(2.6)	(2.8)	(2.6)	(2.7)
Manure Management	2.8	3.6	2.9	3.6	3.5	3.8	3.5	3.2	2.8	3.2
Rice Cultivation	(1.6)	(1.5)	(1.8)	(1.7)	(2.0)	(1.9)	(1.8)	(2.1)	(2.2)	(2.4)
Agricultural Residue Burning	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.2
Landfills	(3.9)	(4.4)	(4.5)	(4.5)	(5.0)	(6.3)	(7.6)	(11.4)	(12.6)	(11.5)
Wastewater Treatment	13.1	13.3	13.8	14.0	14.5	15.0	15.1	15.5	15.7	16.1
International Bunker Fuels	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>N<sub>2</sub>O</b>	<b>(9.6)</b>	<b>(11.5)</b>	<b>(12.7)</b>	<b>(13.9)</b>	<b>(14.5)</b>	<b>(12.2)</b>	<b>(11.1)</b>	<b>(14.3)</b>	<b>(7.4)</b>	<b>(9.0)</b>
Stationary Sources	(0.8)	(0.8)	(0.8)	(0.8)	(0.8)	(0.8)	(0.8)	(0.8)	(0.7)	(1.1)
Mobile Sources	(3.4)	(4.3)	(5.2)	(6.0)	(6.4)	(6.4)	(5.2)	(5.5)	(5.1)	(4.7)
Adipic Acid	(3.4)	(4.5)	(5.0)	(5.1)	(4.9)	(2.4)	(3.0)	(5.6)	0.5	(1.3)
Nitric Acid	NC	NC	NC	NC	NC	NC	NC	NC	NC	(0.1)
Manure Management	+	+	+	+	+	+	+	+	+	+
Agricultural Soil Management	(1.9)	(1.7)	(1.6)	(1.9)	(2.3)	(1.9)	(2.0)	(2.3)	(1.9)	(2.0)
Agricultural Residue Burning	+	+	+	+	+	+	+	+	+	+
Human Sewage	(0.1)	(0.1)	+	(0.1)	+	(0.5)	+	+	+	0.2
Waste Combustion	NC	NC	NC	NC	NC	NC	NC	NC	NC	+
International Bunker Fuels	+	+	+	+	+	+	+	+	+	+
<b>HFCs, PFCs, and SF<sub>6</sub></b>	<b>9.7</b>	<b>9.3</b>	<b>5.9</b>	<b>10.1</b>	<b>5.8</b>	<b>(0.5)</b>	<b>(3.2)</b>	<b>(6.4)</b>	<b>(10.9)</b>	<b>(15.8)</b>
Substitution of Ozone Depleting Substances	NC	NC	NC	NC	(1.5)	(2.2)	(3.4)	(4.1)	(4.8)	(5.4)
Aluminum Production	(1.2)	(1.5)	(1.7)	(0.1)	0.7	0.6	0.9	0.1	(1.1)	(1.1)
HCFC-22 Production	0.2	+	0.1	(0.1)	0.1	(0.1)	(0.1)	(0.1)	0.2	+
Semiconductor Manufacture	+	+	+	(0.1)	(0.3)	0.4	(1.6)	(0.5)	0.5	0.9
Electrical Transmission and Distribution	10.7	10.9	7.6	10.5	6.8	0.8	1.1	(1.2)	(5.6)	(10.2)
Magnesium Production and Processing	NC	NC	NC	+	0.1	+	(0.1)	(0.6)	(0.1)	+
<b>Net Change in Total Emissions<sup>b</sup></b>	<b>92.5</b>	<b>88.1</b>	<b>86.3</b>	<b>91.3</b>	<b>90.3</b>	<b>80.5</b>	<b>71.9</b>	<b>70.0</b>	<b>69.4</b>	<b>83.4</b>
<b>Percent Change</b>	<b>1.5%</b>	<b>1.5%</b>	<b>1.4%</b>	<b>1.5%</b>	<b>1.4%</b>	<b>1.3%</b>	<b>1.1%</b>	<b>1.0%</b>	<b>1.0%</b>	<b>1.2%</b>

<sup>a</sup> Absolute value does not exceed 0.05 Tg CO<sub>2</sub> Eq.<sup>b</sup> New source category relative to previous inventory.<sup>b</sup> Excludes emissions from land-use change and forestry.

NC: (No Change)

Note: Totals may not sum due to independent rounding.